

Glenium® T803

04/04

New generation hyperplasticiser with extended open time especially for underground construction works

Product description

Glenium® T803 is a new generation admixture based on polycarboxylic ether combined with the Delvo®crete Hydration Control Stabiliser. Compared to traditional superplasticizers Glenium® T803 has a more powerful dispersing effect and is able to provide extended open times for wet mix sprayed concrete.

Fields of application

The excellent dispersing effect makes Glenium® T803 the ideal choice for wet mix sprayed concrete where high early and final strengths are required. Glenium® T803 provides a reduction in water content of approximately 25 - 30% and still achieve the required workability.

This makes it ideal for:

- Temporary and final sprayed concrete linings
- Single Shell Linings
- Concrete for underground work to meet the highest demands of usability and pumpability combined with strength and durability

Packaging

Glenium® T803 is available in 208 litre drums, 1000 litre containers and in bulk.

Features and benefits

- Allows for highly workable concrete at the lowest w/c ratio – without segregation and bleeding
- Provides extended open time to allow transportation and placing of the sprayed concrete, even hours after batching.
- Provides improved pumpability due to increased cohesion in the concrete mix
- Provides reduced wear and tear on the pump
- In combination with MEYCO® SA 160, MEYCO® SA 161; MEYCO® SA 162; MEYCO® SA 163; MEYCO® SA 170; MEYCO® SA 175; MEYCO® SA 430; MEYCO® TCC 766 / TCC 765; MEYCO® SA 100 or MEYCO® SA 120 the early setting and

strength development of the sprayed concrete can be accelerated

- Greater durability from improved mechanical properties in the concrete
- High early & final strengths
- Reduced permeability due to lower water/cement ratio

Compatibility

Glenium® T803 is compatible with all types of cement complying with international standards.

Glenium® T803 can be used in combination with the following admixtures and additives

- Air entraining admixtures to optimize freeze/thaw durability
- Silica Fume for higher density
- Shrinkage compensating admixture
- Synthetic and Steel Fibres
- Concrete Improvers

Technical data

Form	Viscous liquid
Colour	Brown
Density ; 20°C	1.10 ± 0.05
pH value	4.0
Viscosity ; 20°C	128±30 mPa.s
Chloride content	<0.01%

Mixing

Glenium® T803 is a ready to use admixture and must be added prior to the addition of other admixtures to the mix. Optimum plasticizing effect and thus water reduction is achieved if Glenium® T803 is added immediately after 50 – 70% of the water. Avoid adding Glenium® T803 to dry aggregate or cement.

Storage and Handling

Glenium® T803 should be stored between +50 °C and +30 °C. If stored in original unopened containers it will have a shelf life of at least one year.



BASF

The Chemical Company

Safety precautions

Glenium® T803 contains no hazardous materials and is completely transport class free.

However, it is recommended to use standard handling procedures with the product as it is irritating to eyes and skin. Wear gloves and eye protection and wash splashes to the skin with soap and water at the end of shifts or at breaks.

The information given here is true, represents our best knowledge and is based not only on laboratory work but also on field experience. However, because of numerous factors affecting results, we offer this information without guarantee and no patent liability is assumed. For additional information or questions, please contact your local UGC representative.

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